



Texas Water Development Board Groundwater Database Reports



Infrequent Constituent Report

County: Runnels

State Well Number	Date	Sample#	Storet Code	Description	Flag	Value	+ or -
4202101							
	4 / 14 / 1960	1	00900	HARDNESS, TOTAL (MG/L AS CaCO3)		800	
4225101							
	7 / 17 / 1969	1	01055	MANGANESE, TOTAL (UG/L AS MN)		100.	
4308403							
	6 / 29 / 1988	1	01000	ARSENIC, DISSOLVED (UG/L AS AS)	<	10.	
	6 / 29 / 1988	1	01005	BARIUM, DISSOLVED (UG/L AS BA)		22.	
	6 / 29 / 1988	1	01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	10.	
	6 / 29 / 1988	1	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	<	20.	
	6 / 29 / 1988	1	01040	COPPER, DISSOLVED (UG/L AS CU)	<	20.	
	6 / 29 / 1988	1	01049	LEAD, DISSOLVED (UG/L AS PB)	<	50.	
	6 / 29 / 1988	1	01075	SILVER, DISSOLVED (UG/L AS AG)	<	10.	
	6 / 29 / 1988	1	01090	ZINC, DISSOLVED (UG/L AS ZN)	<	20.	
	6 / 29 / 1988	1	01145	SELENIUM, DISSOLVED (UG/L AS SE)		8.	
	6 / 29 / 1988	1	71890	MERCURY, DISSOLVED (UG/L AS HG)	<	0.2	
4316901							
	6 / 29 / 1988	1	01000	ARSENIC, DISSOLVED (UG/L AS AS)	<	10.	
	6 / 29 / 1988	1	01005	BARIUM, DISSOLVED (UG/L AS BA)		210.	
	6 / 29 / 1988	1	01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	10.	
	6 / 29 / 1988	1	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	<	20.	
	6 / 29 / 1988	1	01040	COPPER, DISSOLVED (UG/L AS CU)	<	20.	
	6 / 29 / 1988	1	01045	IRON, TOTAL (UG/L AS FE)		5140.	
	6 / 29 / 1988	1	01046	IRON, DISSOLVED (UG/L AS FE)		5140.	
	6 / 29 / 1988	1	01049	LEAD, DISSOLVED (UG/L AS PB)	<	50.	
	6 / 29 / 1988	1	01055	MANGANESE, TOTAL (UG/L AS MN)		35.	

State Well Number	Date	Sample#	Storet Code	Description	Flag	Value	+ or -
4331103	6 / 29 / 1988	1	01056	MANGANESE, DISSOLVED (UG/L AS MN)		35.	
	6 / 29 / 1988	1	01075	SILVER, DISSOLVED (UG/L AS AG)	<	10.	
	6 / 29 / 1988	1	01090	ZINC, DISSOLVED (UG/L AS ZN)	<	20.	
	6 / 29 / 1988	1	01145	SELENIUM, DISSOLVED (UG/L AS SE)	<	2.	
	6 / 29 / 1988	1	01503	ALPHA, DISSOLVED (PC/L)		3.7	
	6 / 29 / 1988	1	03503	BETA, DISSOLVED (PC/L)		5.3	
	6 / 29 / 1988	1	09501	RADIUM 226, TOTAL, PC/L		0.4	
	6 / 29 / 1988	1	71890	MERCURY, DISSOLVED (UG/L AS HG)	<	0.2	
	6 / 29 / 1988	1	80002	ALPHA AND BETA ACTIVITY, TOTAL, PC/L		3.7	
	6 / 29 / 1988	1	81366	RADIUM 228, DISSOLVED (PC/L AS RA-228)		1.1	
4331202	5 / 23 / 1979	1	01045	IRON, TOTAL (UG/L AS FE)		40.	
	5 / 23 / 1979	1	01055	MANGANESE, TOTAL (UG/L AS MN)		20.	
4331202	10 / 6 / 1997	1	00010	TEMPERATURE, WATER (CELSIUS)		21.3	
	10 / 6 / 1997	1	00090	OXIDATION REDUCTION POTENTIAL (ORP), MILLIVOLTS		53.6	
	10 / 6 / 1997	1	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	<	0.05	
	10 / 6 / 1997	1	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	<	0.5	
	10 / 6 / 1997	1	00631	NITRITE PLUS NITRATE, DISSOLVED (MG/L AS N)		22	
	10 / 6 / 1997	1	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	<	0.02	
	10 / 6 / 1997	1	01000	ARSENIC, DISSOLVED (UG/L AS AS)	<	2	
	10 / 6 / 1997	1	01005	BARIUM, DISSOLVED (UG/L AS BA)		27.9	
	10 / 6 / 1997	1	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<	2	
	10 / 6 / 1997	1	01020	BORON, DISSOLVED (UG/L AS B)		479	
	10 / 6 / 1997	1	01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	1	
	10 / 6 / 1997	1	01030	CHROMIUM, DISSOLVED (UG/L AS CR)		22.4	
	10 / 6 / 1997	1	01035	COBALT, DISSOLVED (UG/L AS CO)	<	1	
	10 / 6 / 1997	1	01040	COPPER, DISSOLVED (UG/L AS CU)		7.9	
	10 / 6 / 1997	1	01046	IRON, DISSOLVED (UG/L AS FE)		33	

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4331203	10 / 6 / 1997	1	01049	LEAD, DISSOLVED (UG/L AS PB)	<	1	
	10 / 6 / 1997	1	01056	MANGANESE, DISSOLVED (UG/L AS MN)		1.3	
	10 / 6 / 1997	1	01057	THALLIUM, DISSOLVED (UG/L AS TL)	<	1	
	10 / 6 / 1997	1	01060	MOLYBDENUM, DISSOLVED, UG/L		19.3	
	10 / 6 / 1997	1	01065	NICKEL, DISSOLVED (UG/L AS NI)		12.5	
	10 / 6 / 1997	1	01085	VANADIUM, DISSOLVED (UG/L AS V)		14.8	
	10 / 6 / 1997	1	01090	ZINC, DISSOLVED (UG/L AS ZN)		15.3	
	10 / 6 / 1997	1	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	<	1	
	10 / 6 / 1997	1	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	<	1	
	10 / 6 / 1997	1	01130	LITHIUM, DISSOLVED (UG/L AS LI)		105.5	
	10 / 6 / 1997	1	01145	SELENIUM, DISSOLVED (UG/L AS SE)		16.8	
	10 / 6 / 1997	1	39086	ALKALINITY, FIELD, DISSOLVED AS CaCO3		245.0	
	10 / 6 / 1997	1	71870	BROMIDE, DISSOLVED, (MG/L AS BR)		1.8	
	8 / 12 / 1956	1	01045	IRON, TOTAL (UG/L AS FE)		20.	
4331205	10 / 12 / 1963	1	01045	IRON, TOTAL (UG/L AS FE)		20.	
	10 / 6 / 1969	1	01045	IRON, TOTAL (UG/L AS FE)		20.	
	8 / 12 / 1956	1	01055	MANGANESE, TOTAL (UG/L AS MN)		50.	
	10 / 12 / 1963	1	01055	MANGANESE, TOTAL (UG/L AS MN)		100.	
	10 / 6 / 1969	1	01055	MANGANESE, TOTAL (UG/L AS MN)		50.	
	6 / 29 / 1988	1	01000	ARSENIC, DISSOLVED (UG/L AS AS)	<	10.	
	6 / 29 / 1988	1	01005	BARIUM, DISSOLVED (UG/L AS BA)		220.	
	6 / 29 / 1988	1	01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	10.	
	6 / 29 / 1988	1	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	<	20.	
	6 / 29 / 1988	1	01040	COPPER, DISSOLVED (UG/L AS CU)	<	20.	
	6 / 29 / 1988	1	01045	IRON, TOTAL (UG/L AS FE)		410.	
	6 / 29 / 1988	1	01046	IRON, DISSOLVED (UG/L AS FE)		410.	
	6 / 29 / 1988	1	01049	LEAD, DISSOLVED (UG/L AS PB)	<	50.	

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4331211	6 / 29 / 1988	1	01055	MANGANESE, TOTAL (UG/L AS MN)	<	20.	
	6 / 29 / 1988	1	01056	MANGANESE, DISSOLVED (UG/L AS MN)	<	20.	
	6 / 29 / 1988	1	01075	SILVER, DISSOLVED (UG/L AS AG)	<	10.	
	6 / 29 / 1988	1	01090	ZINC, DISSOLVED (UG/L AS ZN)		120.	
	6 / 29 / 1988	1	01145	SELENIUM, DISSOLVED (UG/L AS SE)		4.	
	6 / 29 / 1988	1	01503	ALPHA, DISSOLVED (PC/L)		19.	
	6 / 29 / 1988	1	03503	BETA, DISSOLVED (PC/L)		13.	
	6 / 29 / 1988	1	09501	RADIUM 226, TOTAL, PC/L		2.2	
	6 / 29 / 1988	1	09503	RADIUM 226, DISSOLVED, PC/L		2.2	
	6 / 29 / 1988	1	71890	MERCURY, DISSOLVED (UG/L AS HG)	<	0.2	
	6 / 29 / 1988	1	80002	ALPHA AND BETA ACTIVITY, TOTAL, PC/L		19.	
	6 / 29 / 1988	1	81366	RADIUM 228, DISSOLVED (PC/L AS RA-228)		1.1	
	5 / 20 / 1997	1	01002	ARSENIC, TOTAL (UG/L AS AS)		2.6	
	5 / 20 / 1997	1	01007	BARIUM, TOTAL (UG/L AS BA)		139.	
	5 / 20 / 1997	1	01012	BERYLLIUM, TOTAL (UG/L AS BE)	<	1.	
	5 / 20 / 1997	1	01027	CADMIUM, TOTAL (UG/L)	<	0.2	
	5 / 20 / 1997	1	01034	CHROMIUM, TOTAL (UG/L AS CR)		10.	
	5 / 20 / 1997	1	01042	COPPER, TOTAL (UG/L AS CU)		31.	
	5 / 20 / 1997	1	01045	IRON, TOTAL (UG/L AS FE)		20.	
	5 / 20 / 1997	1	01051	LEAD, TOTAL (UG/L AS PB)		14.3	
	5 / 20 / 1997	1	01055	MANGANESE, TOTAL (UG/L AS MN)	<	8.	
	5 / 20 / 1997	1	01059	THALLIUM, TOTAL (UG/L AS TL)	<	1.	
	5 / 20 / 1997	1	01067	NICKEL, TOTAL (UG/L AS NI)	<	20.	
	5 / 20 / 1997	1	01077	SILVER, TOTAL (UG/L AS AG)	<	10.	
	5 / 20 / 1997	1	01092	ZINC, TOTAL (UG/L AS ZN)		220.	
	5 / 20 / 1997	1	01097	ANTIMONY, TOTAL (UG/L AS SB)	<	2.	
	5 / 20 / 1997	1	01105	ALUMINUM, TOTAL (UG/L AS AL)	<	40.	
	5 / 20 / 1997	1	01147	SELENIUM, TOTAL (UG/L)		7.4	

State Well Number	Date	Sample#	Storet Code	Description	Flag	Value	+ or -
4332305	5 / 20 / 1997	1	71900	MERCURY, TOTAL (UG/L AS HG)	<	0.27	
	8 / 22 / 2001	1	00010	TEMPERATURE, WATER (CELSIUS)		21.3	
	8 / 22 / 2001	1	00631	NITRITE PLUS NITRATE, DISSOLVED (MG/L AS N)		32.7	
	8 / 22 / 2001	1	01000	ARSENIC, DISSOLVED (UG/L AS AS)		3.10	
	8 / 22 / 2001	1	01005	BARIUM, DISSOLVED (UG/L AS BA)		23.4	
	8 / 22 / 2001	1	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<	1	
	6 / 27 / 1975	1	01020	BORON, DISSOLVED (UG/L AS B)		500.	
	8 / 22 / 2001	1	01020	BORON, DISSOLVED (UG/L AS B)		135	
	8 / 22 / 2001	1	01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	1	
	8 / 22 / 2001	1	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	<	1	
	8 / 22 / 2001	1	01035	COBALT, DISSOLVED (UG/L AS CO)	<	1	
	8 / 22 / 2001	1	01040	COPPER, DISSOLVED (UG/L AS CU)		1.76	
	8 / 22 / 2001	1	01046	IRON, DISSOLVED (UG/L AS FE)	<	51	
	8 / 22 / 2001	1	01049	LEAD, DISSOLVED (UG/L AS PB)	<	1	
	8 / 22 / 2001	1	01056	MANGANESE, DISSOLVED (UG/L AS MN)	<	1	
	8 / 22 / 2001	1	01057	THALLIUM, DISSOLVED (UG/L AS TL)	<	1	
	8 / 22 / 2001	1	01060	MOLYBDENUM, DISSOLVED, UG/L		3.95	
	8 / 22 / 2001	1	01065	NICKEL, DISSOLVED (UG/L AS NI)		6.37	
	8 / 22 / 2001	1	01080	STRONTIUM, DISSOLVED (UG/L AS SR)		19200	
	8 / 22 / 2001	1	01085	VANADIUM, DISSOLVED (UG/L AS V)		10.1	
	8 / 22 / 2001	1	01090	ZINC, DISSOLVED (UG/L AS ZN)		5.99	
	8 / 22 / 2001	1	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	<	1	
	8 / 22 / 2001	1	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	<	4	
	8 / 22 / 2001	1	01130	LITHIUM, DISSOLVED (UG/L AS LI)		61.9	
	8 / 22 / 2001	1	01145	SELENIUM, DISSOLVED (UG/L AS SE)		92.5	
	8 / 22 / 2001	1	04241	GROSS ALPHA RADIATION,TOTAL, PRODUCED WATER(pCi/L)		7.9	4.3
	8 / 22 / 2001	1	04242	GROSS BETA RADIATION, TOTAL, PRODUCED WATER(pCi/L)		9.3	4.8
	8 / 22 / 2001	1	39086	ALKALINITY, FIELD, DISSOLVED AS CaCO3		208.0	

State Well Number	Date	Sample#	Storet Code	Description	Flag	Value	+ or -
4332402	8 / 22 / 2001	1	71870	BROMIDE, DISSOLVED, (MG/L AS BR)		2.90	
	10 / 9 / 1997	1	00010	TEMPERATURE, WATER (CELSIUS)		20.3	
	8 / 22 / 2001	1	00010	TEMPERATURE, WATER (CELSIUS)		20.5	
	10 / 9 / 1997	1	00090	OXIDATION REDUCTION POTENTIAL (ORP), MILLIVOLTS		38.1	
	10 / 9 / 1997	1	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	<	0.05	
	10 / 9 / 1997	1	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	<	0.5	
	10 / 9 / 1997	1	00631	NITRITE PLUS NITRATE, DISSOLVED (MG/L AS N)		39	
	8 / 22 / 2001	1	00631	NITRITE PLUS NITRATE, DISSOLVED (MG/L AS N)		41.0	
	10 / 9 / 1997	1	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	<	0.02	
	10 / 9 / 1997	1	01000	ARSENIC, DISSOLVED (UG/L AS AS)		5.3	
	8 / 22 / 2001	1	01000	ARSENIC, DISSOLVED (UG/L AS AS)		5.62	
	10 / 9 / 1997	1	01005	BARIUM, DISSOLVED (UG/L AS BA)		81	
	8 / 22 / 2001	1	01005	BARIUM, DISSOLVED (UG/L AS BA)		68.9	
	10 / 9 / 1997	1	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<	2	
	8 / 22 / 2001	1	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<	1	
	10 / 9 / 1997	1	01020	BORON, DISSOLVED (UG/L AS B)		200.7	
	8 / 22 / 2001	1	01020	BORON, DISSOLVED (UG/L AS B)		140	
	10 / 9 / 1997	1	01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	1	
	8 / 22 / 2001	1	01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	1	
	10 / 9 / 1997	1	01030	CHROMIUM, DISSOLVED (UG/L AS CR)		13.5	
	8 / 22 / 2001	1	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	<	1	
	10 / 9 / 1997	1	01035	COBALT, DISSOLVED (UG/L AS CO)	<	1	
	8 / 22 / 2001	1	01035	COBALT, DISSOLVED (UG/L AS CO)	<	1	
	10 / 9 / 1997	1	01040	COPPER, DISSOLVED (UG/L AS CU)		13.3	
	8 / 22 / 2001	1	01040	COPPER, DISSOLVED (UG/L AS CU)		7.18	
	10 / 9 / 1997	1	01046	IRON, DISSOLVED (UG/L AS FE)	<	10	
	8 / 22 / 2001	1	01046	IRON, DISSOLVED (UG/L AS FE)	<	51	
	10 / 9 / 1997	1	01049	LEAD, DISSOLVED (UG/L AS PB)		1.2	

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	8 / 22 / 2001	1	01049	LEAD, DISSOLVED (UG/L AS PB)	<	1	
	10 / 9 / 1997	1	01056	MANGANESE, DISSOLVED (UG/L AS MN)	<	1	
	8 / 22 / 2001	1	01056	MANGANESE, DISSOLVED (UG/L AS MN)	<	1	
	10 / 9 / 1997	1	01057	THALLIUM, DISSOLVED (UG/L AS TL)	<	1	
	8 / 22 / 2001	1	01057	THALLIUM, DISSOLVED (UG/L AS TL)	<	1	
	10 / 9 / 1997	1	01060	MOLYBDENUM, DISSOLVED, UG/L		1.3	
	8 / 22 / 2001	1	01060	MOLYBDENUM, DISSOLVED, UG/L		1.14	
	10 / 9 / 1997	1	01065	NICKEL, DISSOLVED (UG/L AS NI)		9.6	
	8 / 22 / 2001	1	01065	NICKEL, DISSOLVED (UG/L AS NI)		4.04	
	8 / 22 / 2001	1	01080	STRONTIUM, DISSOLVED (UG/L AS SR)		22000	
	10 / 9 / 1997	1	01085	VANADIUM, DISSOLVED (UG/L AS V)		47.3	
	8 / 22 / 2001	1	01085	VANADIUM, DISSOLVED (UG/L AS V)		34.5	
	10 / 9 / 1997	1	01090	ZINC, DISSOLVED (UG/L AS ZN)		10.1	
	8 / 22 / 2001	1	01090	ZINC, DISSOLVED (UG/L AS ZN)		4.02	
	10 / 9 / 1997	1	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	<	1	
	8 / 22 / 2001	1	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	<	1	
	10 / 9 / 1997	1	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	<	1	
	8 / 22 / 2001	1	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	<	4	
	10 / 9 / 1997	1	01130	LITHIUM, DISSOLVED (UG/L AS LI)		76.1	
	8 / 22 / 2001	1	01130	LITHIUM, DISSOLVED (UG/L AS LI)		46.2	
	10 / 9 / 1997	1	01145	SELENIUM, DISSOLVED (UG/L AS SE)		18.5	
	8 / 22 / 2001	1	01145	SELENIUM, DISSOLVED (UG/L AS SE)		24.2	
	8 / 22 / 2001	1	04241	GROSS ALPHA RADIATION,TOTAL, PRODUCED WATER(pCi/L)		8.4	3.7
	8 / 22 / 2001	1	04242	GROSS BETA RADIATION, TOTAL, PRODUCED WATER(pCi/L)		9.1	4.5
	10 / 9 / 1997	1	39086	ALKALINITY, FIELD, DISSOLVED AS CaCO3		234.0	
	8 / 22 / 2001	1	39086	ALKALINITY, FIELD, DISSOLVED AS CaCO3		218.0	
	10 / 9 / 1997	1	71870	BROMIDE, DISSOLVED, (MG/L AS BR)		1.99	
	8 / 22 / 2001	1	71870	BROMIDE, DISSOLVED, (MG/L AS BR)		2.01	